



Hurricane Irma Response

EPA Region 4

SITUATION REPORT #13

1700-0900 EST, September 14, 2017

SEPTEMBER 14, 0900 UPDATES

- EPA Preparation and Response Activities
 - Facility assessment teams started assessments of 194 facilities prioritized by the Florida SEOC ESF-10 Desk. 177 facilities are assigned for assessment. 94 facilities were assessed with no issues reported. The list is composed of a combination of facility types (e.g., Facility Response Plan [FRP] and Risk Management Plan [RMP] facilities).
 - APTMD contacted 103 RMP facilities in FL. One of those facilities, Pilgrim's Pride, Live Oak, FL indicated that they had a release that is now stopped. Will be prioritized for a field assessment. All other facilities contacted indicated that they had no known releases.
 - Florida Department of Environmental Protection (FDEP) has requested a fuel waiver to address a shortage of Ultra Low Sulfur Diesel (ULSD) and a specific diesel fuel availability circumstance in the aftermath of Hurricane Irma.
- **National Priority List Site Assessment**
 - **Florida.** 6 NPL Assessment Teams were deployed on Tuesday, September 12th and arrived and began assessment work on September 13th. 30 of 90 total sites were assessed yesterday. 2 Sites require follow up.
 - **Fairfax Wood Treating in Jacksonville.** Due to heavy rain, some runoff concerns were identified at an on-site retention point and a washout underneath some site fencing. Crews are being mobilized to address the washout and samples and samples will be collected from the pond to determine whether contamination issues are present/absent.
 - **US Navy Air Station Cecil Field, Jacksonville, Florida.** Due to flood, the air-sparging unit has a compressor failure. Several monitoring wells were also flooded but appeared to be in good shape. A contractor is currently working to repair the air-sparging unit.
 - **Georgia.** 10 of 35 sites were assessed yesterday. No issues identified or follow up required at this time.
 - **South Carolina.** 9 of 22 sites assessed yesterday. No issues identified or follow up required at this time
 - Figure 1 (provided at the end of this report) depicts FRP and RMP facilities and NPL sites in the State of Florida.
- State (FL, GA, NC, SC, TN and Tribal Updates)
 - Alabama
 - No significant issues to update.
 - Florida
 - Florida SEOC remains at level 1 activation.
 - Georgia
 - Georgia State Operation Center is at Level 1 Full Activation and fully staffed.
 - All 159 Counties now included in FEMA 3387-EM-GA for Emergency Services and Debris Removal
 - Damage assessments, debris removal, and recovery operations are underway throughout the State.
 - North Carolina
 - Returned to normal daily operations, no additional SITREPs are anticipated.

- South Carolina
 - The South Carolina Emergency Operations Center (SEOC) returned to Operating Condition 3 (OPCON 3) as of 12 September 2017 @ 20:00 and is maintaining limited 24hr operations. The State Emergency Response Team (SERT) is transitioning to damage assessment, re-entry and sheltering operations following the impacts from Hurricane Irma.
- Tennessee
 - The Tennessee SEOC remains at **Elevated** activation as post-tropical cyclone Irma weakens.
- Tribal Nations
 - No significant issue are reported.

Hurricane Irma Response Dashboard

U.S. EPA Region 4



Situational Awareness

Water System Assessment

Facility Assessments

WebEOC Hotline Log

Sensitive Receptors

Weather and Traffic

Social Media

Response Map Gallery

EPA OSC



(Beta)

Hurricane Irma Facility Assessments

Scott

Legend

Photo Log

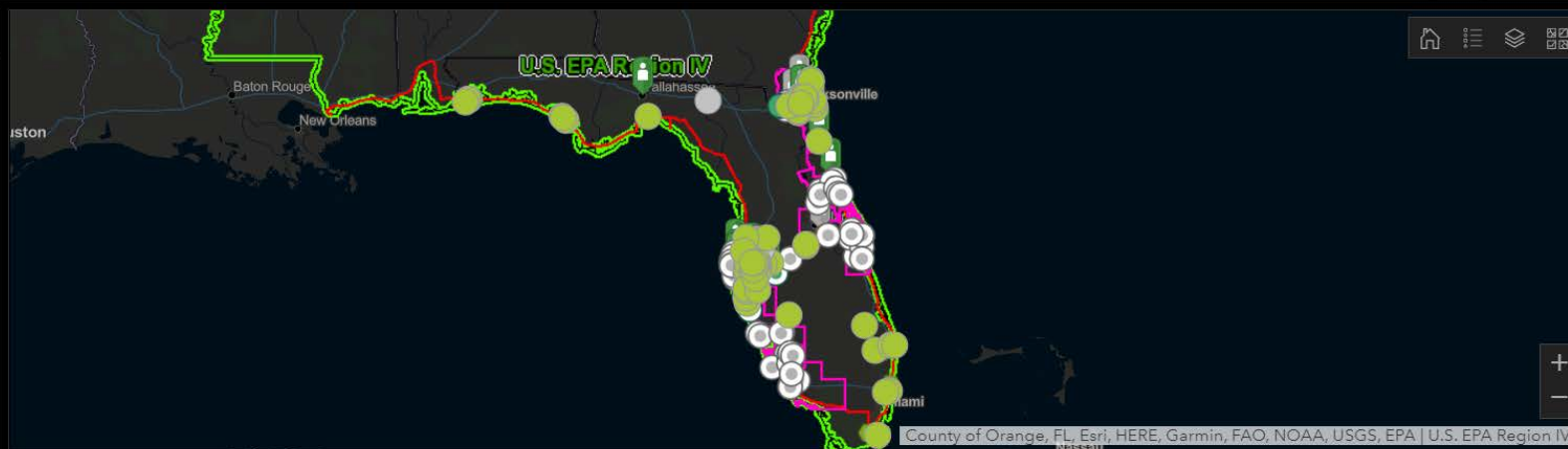
Irma Photo Log

Assessment Results

- Facility Assessed (No Further Action)
- Facility Assessed (Issues Identified)
- Facility Unassessed

Assessment Assignments

- Unassigned
- Assigned
- In Progress



Total Facility Targets

194

Last update: 10 minutes ago

Total Assignments

177

Last update: a few seconds ago

Assignments in Progress

3

Last update: a few seconds ago

Assignments Completed

98

Last update: a few seconds ago

Assessment Results



- Facility Assessed (No Further Action) 124
- Facility Unassessed 2

Last update: a few seconds ago

- **NATIONAL RESPONSE CENTER (NRC)**

- Table 1 below provides a summary of NRC reports received in Hurricane Irma impact areas. Incidents that may require action by the EPA Region 4 field teams are summarized in the Region 4 States section of the Situation Report.

Table 1 NRC Report Tracking						
Location	Hazardous Materials		Oil		Other	
	Open	Closed	Open	Closed	Open	Closed
Florida	0	4	0	55	0	6
Georgia	0	0	0	1	0	0
Alabama	0	0	0	0	0	0
South Carolina	0	0	0	0	0	0

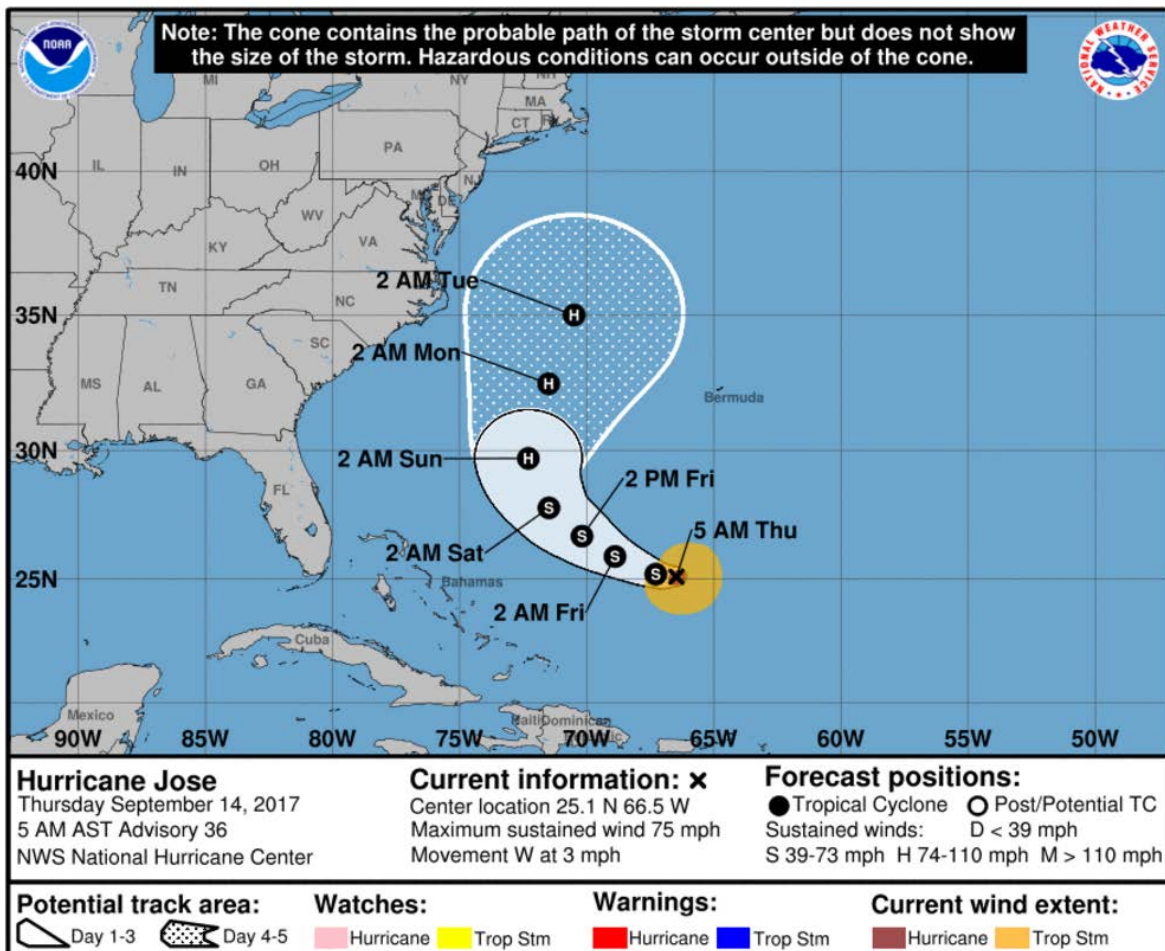
Open means response status unknown or currently responding

Closed means response addressed by owner-operator or Federal, State, or local agency; no EPA assistance requested.

- **Significant NRC Reports**
 - Nothing significant to report

- **CURRENT HURRICANE JOSE STATUS**

- Hurricane Jose is located about 445 miles east northeast of the south eastern Bahamas. The storm has sustained winds of 75 mph and is moving to the West at 3 miles per hour (mph).
- Current National Hurricane Center (NHC) models indicate the storm will continue its slow anticyclonic loop before heading to the north, northwest.



REOC STATUS AND ACTIVITIES

PLANNING AND PREPARATIONS

The EPA Region 4 REOC maintains a Level 3 activation.

Table 2				
Current Region 4 Staffing				
Organization	Locations			
	EPA R4 Atlanta	FEMA Atlanta	Florida SEOC	Florida Field Support
EPA	32	1	5	R4 -21 / R5 - 6
START	3	0	1	9

Staffing provided in this Table represents all EPA and contractor staff associated with the Hurricane Irma response.

FEMA RRCC

- The EPA Region 4 is currently staffing the ESF-10 desk at the RRCC to facilitate coordination with FEMA.

NATIONAL PRIORITY SITES

- **Florida.** 6 NPL Assessment Teams were deployed on Tuesday, September 12th and arrived and began assessment work on September 13th. 30 of 90 total sites were assessed yesterday. 2 Sites require follow up.
 - **Fairfax Wood Treating in Jacksonville.** Due to heavy rain, some runoff concerns were identified at an on-site retention point and a washout underneath some site fencing. Crews are being mobilized to address the washout and samples and samples will be collected from the pond to determine whether contamination issues are present/absent.
 - **US Navy Air Station Cecil Field, Jacksonville, Florida.** Due to flood, the air-sparging unit has a compressor failure. Several monitoring wells were also flooded but appeared to be in good shape. A contractor is currently working to repair the air-sparging unit.
- **Georgia.** 10 of 35 sites were assessed yesterday. No issues identified or follow up required at this time.
- **South Carolina.** 9 of 22 sites assessed yesterday. No issues identified or follow up required at this time

FINANCE

- Summary of mission assignments is found below:

Table 3					
FEMA Mission Assignment Status					
Mission Assignment Number	Type of Mission Assignment	Period of Performance	Cost Share	Funding	Cost to Date
FL-17083101-EPA-01	Federal Operations Support	September 4 to October 3, 2017	0%	\$35,000	\$18,547
3385EM-FL-EPA-01	Direct Federal Assistance	September 10 to 25, 2017	0%	\$525,000	\$253,127
4337DR-FL-EPA-04	Disaster	September 4 to October 3, 2017	0%	\$9,000,000	\$0.00

REGION 4 PREPAREDNESS

- Region 4 began contacting FRPs within FL outside of FDEPs prioritized counties. No impacts reported. FRPs prioritized by the state of Florida are being assessed by field teams.
- Region 4 Field Assessment teams, comprised of OSCs and START contractors, began assessments in Jacksonville and Tampa. 98 assessments completed from 194 target facilities with follow up required at 00 facilities.

- The Region 4 SFD program deployed six Rapid Assessment teams, comprised of RPMs and field staff from the Region 4 SESD, to Florida to conduct rapid assessments at all National Priority List (NPL) sites within the State. Rapid assessments began today.
- The WPD continues to coordinate with the FDEP and the USACE relative to Water and Drinking Water issues. A Water Team will join USACE at the Florida SEOC in Tallahassee, Florida today to support preliminary water and wastewater system assessments.

REGION 4 STATES

FLORIDA

Category	Status
Declaration Information	FEMA-3385-EM-FL
SEOC Status	Level 1 (Full activation and fully staffed)
Evacuations	
Power outages	Approximately 2,708,432 without power
Boil Water Advisory	A boil advisory is in effect for all or portions of 34 counties.
Other	<p>Fuel shortages continue to be an issue. Port Everglades, Port Canaveral and Port of Tampa are all open and are actively prioritizing fuel tanker ships. The Florida Highway Patrol has 20 troopers dedicated to escorting fuel resupply trucks to communities in need.</p> <p>There are more than 9,000 soldiers and airmen on the ground, as a combined force of members of the Florida National Guard, partner National Guard states and active duty components, that have conducted hundreds of missions across the state.</p> <p>More than 160 shelters are open throughout Florida with a total population of more than 21,000 individuals. More than 60 special needs shelters are open with a total population of more than 10,000 individuals.</p>

1. Florida Division of Emergency Management. <http://www.floridadisaster.org/index.asp>.

- The Florida SEOC ESF-10 Desk has identified 194 priority facilities within 23 counties. The list is composed of a combination of facility types (e.g., Facility Response Plan [FRP] and Risk Management Plan [RMP] facilities).
- Florida ESF-12 (Energy) personnel plan to assess FRP regulated power generating facilities.
- Florida ESF-10 personnel continue to assist State, Tribal, and Federal partners post landfall response and mitigation actions. The primary focus will be in three areas:
 - Conducting assessments at Hazardous Substance and oil storage facilities to ensure no negative impacts to responders or returning residents are present.
 - Ensuring that impacted drinking water and wastewater facilities are returned to service as quickly as possible. The EPA is supporting this activity with Florida Department of Environmental Protection (FDEP) and the USACE.
 - Developing and implementing debris management strategies and operations. EPA is working with FDEP, Florida Department of Transportation (FDOT), and the USACE to support their needs.
- The table below provides a summary of priority facilities in Florida. Other Region 4 states are being updated at this time.

Table 4				
Priority Facility Sites in Florida				
Drinking Water	WWTP	NPL	RMP	FRP
1,641	386	90	263	122

Notes:

WWTP – Wastewater Treatment Plant

NPL – National Priority List sites

FRP – Facility Response Plan facilities

RMP – Risk Management Plan facilities

GEORGIA

Category	Status
Declaration Information	FEMA-3387-EM-GA All 159 Counties declared. Local State of Emergencies in 85 counties.
SEOC Status	Level 1 (Full activation and fully staffed)
Evacuations	Evacuation order lifted for all six coastal counties.
Power outages	Over 479,773 without power
Boil Water Advisory	McIntosh County: Boil water advisory countywide.
Other	Brunswick and Savannah Ports open.

Derived from Georgia Emergency Management Agency/Homeland Security, State Operations Center Situational Report September 13, 2017 0700-1900.

SOUTH CAROLINA

Category	Status
Declaration Information	The Executive Order for a State of Emergency 2017-20, and the Federal Emergency Declaration 3386-SC-DR
SEOC Status	South Carolina Emergency Operations Center (SEOC) returned to Operating Condition 3 (OPCON 3)
Evacuations	No State evacuation orders in effect. Order issued for by Governor on 09/09/17 for barrier islands, rescinded on 09/12/17.
Power outages	No information reported
Boil Water Advisory	No information reported
Other	

NORTH CAROLINA

- The North Carolina SEOC is currently operating at normal operations.

ALABAMA

Category	Status
Declaration Information	The Governor issued a full State of Emergency on September 8.
SEOC Status	The Alabama Emergency Management Agency (EMA) returned to normal daily operations as of September 14.
Evacuations	No evacuations issued
Power outages	Approximately 20,000 customers lost power on September 11. No update has been provided.
Boil Water Advisory	No information reported
Other	

TENNESSEE

Category	Status
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Declaration Information	
SEOC Status	The SEOC remains at Elevated activation.
Evacuations	No information reported
Power outages	No information reported
Boil Water Advisory	No information reported
Other	Five shelters remain open shelters in Tennessee. Welcome Centers providing hotel information to evacuees.

REGION 4 FEDERALLY RECOGNIZED TRIBES

Region 4 continues to coordinate with the Bureau of Indian Affairs.

Seminole Tribe of Florida

The tribe continues to experience power outages and lack of Internet service.

EPA continues to maintain communication with the tribe to determine if EPA assistance is needed.

Miccosukee Tribe of Indians of Florida

The tribe continues to experience power outages, downed trees and lack of Internet service.

Damage assessment teams have been out today and will continue through the week for property damage.

EPA continues to maintain communication with the tribe to determine if EPA assistance is needed.

Catawba Indian Nation (South Carolina)

No serious issues to report.

Eastern Band of Cherokee Indians (North Carolina)

Approximately 400 tribal members are without power resulting in two shelters opening on the reservation.

EPA continues to maintain communication with the tribe to determine if EPA assistance is needed.

Poarch band of Creek Indians (Alabama)

No serious issues to report.

AIR, PESTICIDE & TOXICS MANAGEMENT DIVISION (APTMD)

- APTMD has contacted 103 facilities in Florida. There are no additional facilities identified as having a release.
- ADEM and Georgia EPD stated there are no impacted RMP facilities in their states.
- No issues were reported in NC or SC.
- Fuel and Energy Actions
 - September 13, 2017, EPA issued a No Action Assurance letter to FDEP to allow the use of Duke's diesel reserves to be used for on-road response vehicles where the engines have been certified that this fuel will not cause damage. The No Action Assurance is issued through September 22, 2017.

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA)

- Identified four EPA-lead RCRA corrective action sites in Florida and one each in Georgia and South Carolina that are being prioritized for assessment by NPL field teams. The South Carolina site was assessed yesterday with no issues.

SCIENCE AND ECOSYSTEM SUPPORT DIVISION

- Power issues were resolved yesterday and the lab is fully operational.

WATER PROTECTION DIVISION

Florida

- The Water Team is conducting water and wastewater system assessments.
- Water and wastewater facilities continue to submit their requests for assistance.
- The WPD compiled an inventory of community drinking water systems (CWS) and POTW that may be used during post storm damage assessment in Florida (Tables 5 and 6).

Table 5				
Total Number of Community Drinking Water Systems (CWS) and Total Population Served in Florida				
	Large CWS (Over 3,300)		Small CWS (under 3,300)	
	# Systems	Population Served	# Systems	Population Served
Operational:	338	18,247,738	496	386,091
Partially Operational:	20	595,307	24	24,452
Non Operational:	1	3,894	132	36,204
Unknown:	23	434,627	601	271,114
Totals:	382	19,281,566	1,253	717,861
<p><u>Operational:</u> Facility producing safe*** drinking water for greater than 90% of customers under normal operating conditions</p> <p><u>Partially Operational:</u> Facility producing safe*** drinking water under adverse conditions and/or supplying less than 90% of customers</p> <p><u>Non Operational:</u> Facility not producing or supplying safe*** drinking water</p> <p><u>Unknown:</u> Status of facility unknown at this time</p> <p>*** Safe Drinking Water is defined as water that satisfies all State & Federal requirements.</p>				

Table 6 Total Number of Publically Owned Wastewater Treatment Plants (POTWs) All Florida Counties			
	NPDES Permitted Facilities		State Permits (Non-NPDES)
	POTW	Non-POTW (Industrial)	
Operational:	89	72	372
Partially Operational:	7	2	40
Non Operational:	0	7	87
Unknown:	48	159	1,522
Totals:	144	240	2,021
Comments: Data is compiled from the State of Florida's Storm Tracker System. The NPDES universe tracked in Storm Tracker represents a subset of the total inventory of NPDES permitted systems that are identified by the State of Florida as the most critical facilities for operational status determination following a hurricane event.			
<p><u>Operational:</u> Facility & associated collection system is properly conveying, and effectively providing wastewater treatment, in accordance with applicable permit conditions and regulations. (Operating on full or backup generator power.)</p> <p><u>Partially Operational:</u> Facility and/or associated collection system is properly conveying and providing wastewater treatment at a compromised capacity, i.e. one or more treatment train components are non-operational, one or more lift stations are non-operational, etc.</p> <p><u>Non Operational:</u> Facility and/or associated collection system is not providing wastewater treatment in accordance with applicable permit conditions and regulations</p> <p><u>Unknown:</u> Status of facility unknown at this time</p>			

Georgia

The State of Georgia ESF-3 Desk is responding to resource requests from drinking water and wastewater facilities and receiving reports of status at the same time. Georgia Rural Water Association (GRWA) is assisting the state in making calls to check assessment status. GAEPD regional offices are making calls to water facilities and reporting this information to the state ESF-3 desk. GAWARN (municipal mutual aid network for water and wastewater) and GRWA have both been assisting with fulfilling resource requests. No requests for federal assistance have been made for water and wastewater facility assessments or for temporary power supply.

REGION 4 OFFICE OF REGIONAL COUNSEL (ORC)

- No updates during the operational period.

OFFICE OF EXTERNAL AFFAIRS (OPA)

- No updates during the operational period.

PUBLIC INFORMATION OFFICE

- One PIO from HQ mobilized to support REOC operations.

Figure 1

Hurricane Irma Emergency Response - FRP and RMP facilities and NPL Sites

